

## METHOD AND DEVICE FOR CLEANING OF TEXTILE MATERIALS IN A WATER ENVIRONMENT

### ABSTRACT

This invention relates to a method and a device for cleaning the textile materials in water environment, more specially to cleaning, disinfecting and softening of textile materials which could be used in a domestic environment for cleaning of soiled textile materials, including clothes of natural and synthetic textile materials. The method characterized in that textile materials are treated in water environment for 40-60 minutes during the simultaneous influence of sound and subsonic waves with frequency ranging from 8.5 to 32 kHz and in the presence of permanent magnetic field. During the influence of the subsonic waves silver particles, are dispersed in the washing solution, creating concentration of silver ions at about  $1 \cdot 10^{-7} - 2 \cdot 10^{-8}$  g/l.